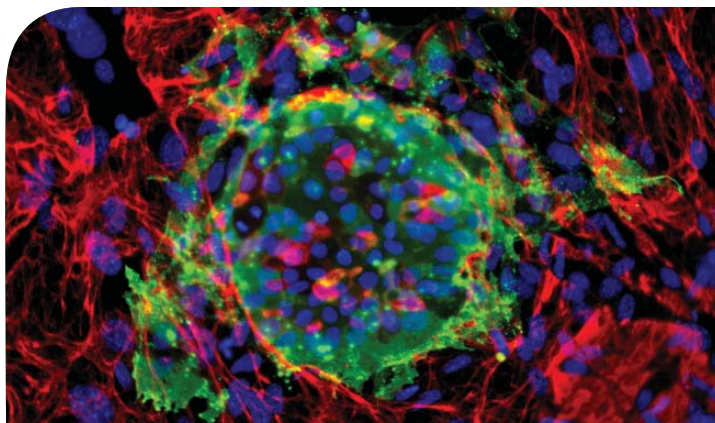




# The Human Embryonic Stem Cell Workshop at The University of Georgia

August 30 – September 3, 2009 • Athens, Georgia



**Learn how to grow and use  
human embryonic and induced  
pluripotent stem cells lines.**

**Master how to differentiate  
these cells towards neural and  
mesodermal cells.**

## What is HEST?

The Human Embryonic Stem Cell Toolbox Workshop (HEST) is an intensive, laboratory-based, four-day course that offers the rare opportunity to work and train with instructors experienced in generating and developing pluripotent stem cells, both embryonic and induced pluripotent stem cell lines.

## What will you learn during the workshop?

### **NEW THIS YEAR - Induced Pluripotent Stem Cells generation, propagation and differentiation.**

- What are important considerations when selecting a reprogramming vector system?
- What cell colony morphology you should choose during the selection phases to increase your success rate?
- What are the options for passaging, freezing and differentiating these pluripotent stem cells (mechanical and enzymatic)?
- What are the options for maintenance and cryopreservation?
- How do create feeder-free cell culture systems?
- What is the importance of and guidelines for karyotyping pluripotent stem cells?

## What makes HEST unique?

The HEST Workshop is an intensive, laboratory-based course that allows participants the rare advantage to work with various cell lines from different sources. Each participant receives a handbook of protocols for future use. Participants also receive continued education and support including troubleshooting and on-site visits to the participant's laboratory as needed.

### **HEST Workshop Leader**

**Dr. Steven Stice** is a professor and Georgia Research Alliance Eminent Scholar at the University of Georgia. He has over 20 years research experience in non-murine ES cells. His laboratory derived hESC in 2001 and these are NIH-registered lines (BG01, BG02 and BG03). Dr. Stice holds the first U.S. patent on deriving adherent feeder-free neural progenitor cells from pluripotent stem cells. In collaboration with industry leaders, he has developed an efficient means of generating induced pluripotent stem cell lines.

**Application deadline July 30, 2009.  
Participation is limited. Scholarship  
opportunities are available.**

**To apply visit  
[www.rbc.uga.edu](http://www.rbc.uga.edu).**